

**DATA VALIDATION REPORT
FOR PCB HOMOLOG DATA**

**SAUGET/E. ST. LOUIS RESIDENTIAL PCB/DIOXIN SAMPLING
SAUGET AND E. ST. LOUIS, ILLINOIS**

Date: January 12, 2010

Laboratory: Columbia Analytical Services (CAS), Rochester, New York

Laboratory Work Order #: R0906411

Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START)

Weston Analytical Work Order #/TDD #: 20405.016.008.0828.00/ S05-0008-0910-033

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 36 soil samples collected for the Sauget/E. St. Louis Residential PCB/Dioxins Sampling Site (Sauget) that were analyzed for PCB homologs using U.S. Environmental Protection Agency (U.S. EPA) Method 680.

A quality assurance (QA) level IV data package was received from CAS. The data validation was conducted in general accordance with the U.S. EPA Contract Laboratory Program “National Functional Guidelines for Superfund Organic Methods Data Review” dated June 2008. The attachment contains the results summary sheets.

PCB HOMOLOGS BY U.S. EPA METHOD 680

1. Samples

The following table summarizes the soil samples for which this data validation was conducted.

Samples	Lab ID	Date Collected	Date Extracted	Date Analyzed
SE-SS-01-110409	R0906411-001	11/04/2009	11/9/2009	11/18/2009
SE-SS-02-110409	R0906411-002	11/04/2009	11/9/2009	11/18/2009
SE-SS-03-110409	R0906411-003	11/04/2009	11/9/2009	11/18/2009
SE-SS-04-110409	R0906411-004	11/04/2009	11/9/2009	11/18/2009
SE-SS-05-110409	R0906411-005	11/04/2009	11/9/2009	11/23/2009 – 11/24/2009
SE-SS-05-110409-D	R0906411-006	11/04/2009	11/9/2009	11/20/2009 – 11/23/2009
SE-SS-06-110409	R0906411-007	11/04/2009	11/9/2009	11/20/2009 – 11/23/2009
SE-SS-07-110409	R0906411-008	11/04/2009	11/11/2009	12/2/2009
SE-SS-08-110409	R0906411-009	11/04/2009	11/11/2009	12/2/2009
SE-SS-09-110409	R0906411-010	11/04/2009	11/11/2009	12/2/2009
SE-SS-10-110409	R0906411-011	11/04/2009	11/11/2009	12/2/2009
SE-SS-11-110409	R0906411-012	11/04/2009	11/11/2009	12/2/2009
SE-SS-12-110409	R0906411-013	11/04/2009	11/11/2009	12/2/2009
SE-SS-13-110509	R0906411-014	11/05/2009	11/9/2009	11/20/2009 – 11/23/2009

Data Validation Report for **PCB Homolog Data**
 Sauget/E. St. Louis Residential PCB/Dioxins Sampling Site
 Columbia Analytical Services
 Laboratory Work Order #: R0906411

Samples	Lab ID	Date Collected	Date Extracted	Date Analyzed
SE-SS-14-110509	R0906411-015	11/05/2009	11/9/2009	11/23/2009 – 11/24/2009
SE-SS-15-110509	R0906411-016	11/05/2009	11/9/2009	11/20/2009 – 11/23/2009
SE-SS-16-110509	R0906411-017	11/05/2009	11/9/2009	11/20/2009 – 11/23/2009
SE-SS-17-110509	R0906411-018	11/05/2009	11/9/2009	11/20/2009 – 11/23/2009
SE-SS-18-110509	R0906411-019	11/05/2009	11/9/2009	11/20/2009 – 11/23/2009
SE-SS-19-110509	R0906411-020	11/05/2009	12/2/2009	12/4/2009
SE-SS-20-110509	R0906411-021	11/05/2009	12/2/2009	12/4/2009
SE-SS-21-110509	R0906411-022	11/05/2009	12/2/2009	12/4/2009
SE-SS-22-110509	R0906411-023	11/05/2009	12/2/2009	12/4/2009
SE-SS-23-110509	R0906411-024	11/05/2009	12/2/2009	12/4/2009
SE-SS-23-110509-D	R0906411-025	11/05/2009	12/2/2009	12/4/2009
SE-SS-24-110609	R0906411-026	11/06/2009	12/2/2009	12/4/2009
SE-SS-25-110609	R0906411-027	11/06/2009	12/2/2009	12/4/2009
SE-SS-26-110609	R0906411-028	11/06/2009	12/2/2009	12/7/2009
SE-SS-27-110609	R0906411-029	11/06/2009	12/2/2009	12/7/2009
SE-SS-28-110609	R0906411-030	11/06/2009	12/2/2009	12/7/2009
SE-SS-29-110609	R0906411-031	11/06/2009	12/2/2009	12/7/2009
SE-SS-30-110609	R0906411-032	11/06/2009	12/2/2009	12/7/2009
SE-SS-31-110609	R0906411-033	11/06/2009	11/11/2009	12/2/2009
SE-SS-32-110609	R0906411-034	11/06/2009	11/11/2009	12/3/2009
SE-SS-33-110609	R0906411-035	11/06/2009	11/11/2009	12/3/2009
SE-SS-34-110609	R0906411-036	11/06/2009	11/11/2009	12/3/2009

2. Holding Times

Method 680 states that the holding time limit for PCB homologs in water samples is 7 days to extraction and 40 days from extraction to analysis but does not state a holding time limit for PCB homologs in soil samples. Therefore, the PCB Aroclor holding time limit for soil samples was utilized. The holding time limit for PCB Aroclors in soil samples is 14 days to extraction and 40 days from extraction to analysis. This was met for all samples except for samples with laboratory IDs R0906411-020 through -32. These samples were extracted on 12/2/2009 or approximately 13 to 14 days past the holding time. Per the data validation guidance, detected results in these samples were flagged “J” and the quantitation limits for no detected results were flagged “UJ”. These results should be considered estimated.

3. Initial Calibration Results

The initial calibration gave acceptable results. The relative standard deviation (RSD) was less than 20 percent as required between calibration factors (CF).

4. Continuing Calibration Results

The CF for each analyte calculated from the continuing calibration verification standard did not exceed a percent difference of more than ± 15 percent when compared to the mean CF from the initial calibration curve.

5. Blanks

Method blanks were analyzed with the samples as required and were free of target compound contamination above the reporting limit.

6. Surrogates

The surrogates were not recovered in the samples. According to the laboratory, the surrogates were all diluted out during the extraction process. Because the surrogates were recovered in the QC samples with acceptable recoveries, no qualifications were applied.

7. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

CAS used samples SE-SS-01-110409, SE-SS-28-110409, and SE-SS-31-110409 for the spiked samples for MS/MSD analysis. The amount of target analyte spiked in most of the samples was below the reporting limits. Therefore, if a target analyte was not detected in the sample then the spiked amount was also not detected as it was below the reporting limit. In addition, if the spiked amount is less than four times the sample concentration, then adequate recovery of the spike may be difficult especially if the sample was diluted after the spike was added. Most spike recoveries were outside QC limits; however, adequate recovery of the spikes is not expected for the reasons listed. No qualifications were applied.

8. Laboratory Control Sample (LCS) Results

The LCS and LCS duplicate recoveries were within the laboratory-established QC limits for percent recovery and relative percent difference (RPD).

9. Field Duplicate Results

Sample SE-SS05-110409-D is a field duplicate of sample SE-SS05-110409 and sample SE-SS23-110509-D is a field duplicate of sample SE-SS23-110509. The field duplicate results were evaluated by calculating the RPDs between the investigative and field duplicate sample results. Note that there is no established QC limit for RPD for field duplicates; however, 50 RPD is generally used for evaluation.

For sample SE-SS05-110409 and its duplicate, there were no detections of target analytes in the samples indicating good correlation between the investigative sample and its duplicate.

For sample SE-SS23-110409 and its duplicate, three target analytes were detected in the investigative sample and four target analytes were detected in the field duplicate. The RPDs ranged from 12 to 21 percent indicating good correlation. The field duplicate did contain one compound detection that the parent sample did not; however, the detected result was close to the reporting limit.

10. Overall Assessment of Data

The data are acceptable use as qualified based on the information received.

ATTACHMENT
CAS
RESULTS SUMMARY WITH QUALIFIERS

REPORT QUALIFIERS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- * Indicates that a quality control parameter has exceeded laboratory limits.
- # Spike was diluted out.
- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Pesticide/Aroclors: Concentration >40% (25% for CLP) difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
- X See Case Narrative for discussion.



CAS/Rochester Lab ID # for State Certifications¹

NELAP Accredited	Nevada ID # NY-00032
Delaware Accredited	New Jersey ID # NY004
Connecticut ID # PH0556	New York ID # 10145
Florida ID # E87674	New Hampshire ID # 294100 A/B
Illinois ID #200047	Pennsylvania ID# 68-786
Maine ID #NY0032	Rhode Island ID # 158
Nebraska Accredited	West Virginia ID # 292
Navy Facilities Engineering Service Center Approved	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-01-110409
Lab Code: R0906411-001

Service Request: R0906411
Date Collected: 11/ 4/09 0940
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 79.3

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Dichlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Trichlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Tetrachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Pentachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Hexachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Heptachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Octachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Nonachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 13:36	100258	180093	
Decachlorobiphenyls, Total	180		130	5	11/ 9/09	11/18/09 13:36	100258	180093	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/18/09 13:36	D
4,4'-DDT	0	*	30-150	11/18/09 13:36	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-02-110409
Lab Code: R0906411-002

Service Request: R0906411
Date Collected: 11/ 4/09 1022
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 79.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Dichlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Trichlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Tetrachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Pentachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Hexachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Heptachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Octachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Nonachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 15:56	100258	180093	
Decachlorobiphenyls, Total	320		130	5	11/ 9/09	11/18/09 15:56	100258	180093	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/18/09 15:56	D
4,4'-DDT	0	*	30-150	11/18/09 15:56	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-03-110409
Lab Code: R0906411-003

Service Request: R0906411
Date Collected: 11/ 4/09 1059
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 77.8

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Dichlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Trichlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Tetrachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Pentachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Hexachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Heptachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Octachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Nonachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	
Decachlorobiphenyls, Total	130	U	130	5	11/ 9/09	11/18/09 17:06	100258	180093	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/18/09 17:06	D
4,4'-DDT	0	*	30-150	11/18/09 17:06	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-04-110409
Lab Code: R0906411-004

Service Request: R0906411
Date Collected: 11/ 4/09 1126
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 77.4

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	520	U	520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Dichlorobiphenyls, Total	520	U	520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Trichlorobiphenyls, Total	520	U	520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Tetrachlorobiphenyls, Total	520	U	520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Pentachlorobiphenyls, Total	1700		520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Hexachlorobiphenyls, Total	1400		520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Heptachlorobiphenyls, Total	520	U	520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Octachlorobiphenyls, Total	520	U	520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Nonachlorobiphenyls, Total	520	U	520	20	11/ 9/09	11/18/09 17:41	100258	180093	
Decachlorobiphenyls, Total	1300		520	20	11/ 9/09	11/18/09 17:41	100258	180093	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/18/09 17:41	D
4,4'-DDT	0	*	30-150	11/18/09 17:41	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409
Lab Code: R0906411-005

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 79.7

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Dichlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Trichlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Tetrachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Pentachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Hexachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Heptachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Octachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Nonachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	
Decachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/23/09 20:05	100258	180967	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 20:05	D	
4,4'-DDT	0	*	30-150	11/23/09 20:05	D	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409
Lab Code: R0906411-005
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 79.7

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Dichlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Trichlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Tetrachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Pentachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Hexachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Heptachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Octachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Nonachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	
Decachlorobiphenyls, Total	250	U	250	10	11/ 9/09	11/24/09 15:32	100258	181276	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/24/09 15:32	D
4,4'-DDT	0	*	30-150	11/24/09 15:32	D

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409-D
Lab Code: R0906411-006

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 80.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Dichlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Trichlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Tetrachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Pentachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Hexachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Heptachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Octachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Nonachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	
Decachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/20/09 12:43	100258	180730	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/20/09 12:43	D
4,4'-DDT	0	*	30-150	11/20/09 12:43	D

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-05-110409-D
Lab Code: R0906411-006
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 4/09 1329
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 80.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Dichlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Trichlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Tetrachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Pentachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Hexachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Heptachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Octachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Nonachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	
Decachlorobiphenyls, Total	150	U	150	6	11/ 9/09	11/23/09 15:26	100258	180967	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 15:26	D
4,4'-DDT	0	*	30-150	11/23/09 15:26	D

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-06-110409
Lab Code: R0906411-007

Service Request: R0906411
Date Collected: 11/ 4/09 1350
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 72.5

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Dichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Trichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Tetrachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Pentachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Hexachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Heptachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Octachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Nonachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 17:57	100258	180730	
Decachlorobiphenyls, Total	690		280	10	11/ 9/09	11/20/09 17:57	100258	180730	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/20/09 17:57	D
4,4'-DDT	0	*	30-150	11/20/09 17:57	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-06-110409
Lab Code: R0906411-007
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 4/09 1350
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 72.5

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Dichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Trichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Tetrachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Pentachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Hexachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Heptachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Octachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Nonachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 14:51	100258	180967	
Decachlorobiphenyls, Total	590		280	10	11/ 9/09	11/23/09 14:51	100258	180967	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 14:51	D	
4,4'-DDT	0	*	30-150	11/23/09 14:51	D	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-07-110409
Lab Code: R0906411-008

Service Request: R0906411
Date Collected: 11/ 4/09 1408
Date Received: 11/ 7/09

Units: µg/Kg
Basis: Dry
Percent Solids: 78.4

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Dichlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Trichlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Tetrachlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Pentachlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Hexachlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Heptachlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Octachlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Nonachlorobiphenyls, Total	180	U	180	7	11/11/09	12/2/09 14:22	100368	181720	
Decachlorobiphenyls, Total	910		180	7	11/11/09	12/2/09 14:22	100368	181720	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/2/09 14:22	D
4,4'-DDT	0	*	30-150	12/2/09 14:22	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-08-110409
Lab Code: R0906411-009

Service Request: R0906411
Date Collected: 11/ 4/09 1429
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 82.1

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Dichlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Trichlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Tetrachlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Pentachlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Hexachlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Heptachlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Octachlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Nonachlorobiphenyls, Total	73	U	73	3	11/11/09	12/2/09 14:57	100368	181720	
Decachlorobiphenyls, Total	220		73	3	11/11/09	12/2/09 14:57	100368	181720	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/2/09 14:57	D	
4,4'-DDT	0	*	30-150	12/2/09 14:57	D	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-09-110409
Lab Code: R0906411-010

Service Request: R0906411
Date Collected: 11/ 4/09 1540
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 76.7

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Dichlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Trichlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Tetrachlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Pentachlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Hexachlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Heptachlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Octachlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Nonachlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	
Decachlorobiphenyls, Total	78	U	78	3	11/11/09	12/2/09 16:06	100368	181720	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/2/09 16:06	D
4,4'-DDT	0	*	30-150	12/2/09 16:06	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-10-110409
Lab Code: R0906411-011

Service Request: R0906411
Date Collected: 11/ 4/09 1620
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 75.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Dichlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Trichlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Tetrachlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Pentachlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Hexachlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Heptachlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Octachlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Nonachlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	
Decachlorobiphenyls, Total	270	U	270	10	11/11/09	12/2/09 16:41	100368	181720	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/2/09 16:41	D
4,4'-DDT	0	*	30-150	12/2/09 16:41	D

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-11-110409
Lab Code: R0906411-012

Service Request: R0906411
Date Collected: 11/ 4/09 1650
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 78.5

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Dichlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Trichlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Tetrachlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Pentachlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Hexachlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Heptachlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Octachlorobiphenyls, Total	25	U	25	1	11/11/09	12/2/09 19:01	100368	181720	
Nonachlorobiphenyls, Total	33		25	1	11/11/09	12/2/09 19:01	100368	181720	
Decachlorobiphenyls, Total	110		25	1	11/11/09	12/2/09 19:01	100368	181720	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/2/09 19:01	D
4,4'-DDT	0	*	30-150	12/2/09 19:01	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-12-110409
Lab Code: R0906411-013

Service Request: R0906411
Date Collected: 11/ 5/09 1715
Date Received: 11/ 7/09

Units: µg/Kg
Basis: Dry
Percent Solids: 72.4

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	55	U	55	2	11/11/09	12/2/09 17:51	100368	181720	
Dichlorobiphenyls, Total	55	U	55	2	11/11/09	12/2/09 17:51	100368	181720	
Trichlorobiphenyls, Total	55	U	55	2	11/11/09	12/2/09 17:51	100368	181720	
Tetrachlorobiphenyls, Total	55	U	55	2	11/11/09	12/2/09 17:51	100368	181720	
Pentachlorobiphenyls, Total	56		55	2	11/11/09	12/2/09 17:51	100368	181720	
Hexachlorobiphenyls, Total	93		55	2	11/11/09	12/2/09 17:51	100368	181720	
Heptachlorobiphenyls, Total	55	U	55	2	11/11/09	12/2/09 17:51	100368	181720	
Octachlorobiphenyls, Total	55	U	55	2	11/11/09	12/2/09 17:51	100368	181720	
Nonachlorobiphenyls, Total	55	U	55	2	11/11/09	12/2/09 17:51	100368	181720	
Decachlorobiphenyls, Total	61		55	2	11/11/09	12/2/09 17:51	100368	181720	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/2/09 17:51	D
4,4'-DDT	0	*	30-150	12/2/09 17:51	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-13-110509
Lab Code: R0906411-014

Service Request: R0906411
Date Collected: 11/ 5/09 0841
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 69.8

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Dichlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Trichlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Tetrachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Pentachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Hexachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Heptachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Octachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Nonachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/20/09 10:58	100258	180730	
Decachlorobiphenyls, Total	450		140	5	11/ 9/09	11/20/09 10:58	100258	180730	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/20/09 10:58	D
4,4'-DDT	0	*	30-150	11/20/09 10:58	D

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-13-110509
Lab Code: R0906411-014
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 0841
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 69.8

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Dichlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Trichlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Tetrachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Pentachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Hexachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Heptachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Octachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Nonachlorobiphenyls, Total	140	U	140	5	11/ 9/09	11/23/09 13:06	100258	180967	
Decachlorobiphenyls, Total	390		140	5	11/ 9/09	11/23/09 13:06	100258	180967	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 13:06	D
4,4'-DDT	0	*	30-150	11/23/09 13:06	D

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-14-110509
Lab Code: R0906411-015

Service Request: R0906411
Date Collected: 11/ 5/09 0917
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 77.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Dichlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Trichlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Tetrachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Pentachlorobiphenyls, Total	140		78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Hexachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Heptachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Octachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Nonachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	
Decachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/23/09 13:41	100258	180967	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 13:41	D
4,4'-DDT	0	*	30-150	11/23/09 13:41	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-14-110509
Lab Code: R0906411-015
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 0917
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 77.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Dichlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Trichlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Tetrachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Pentachlorobiphenyls, Total	150		78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Hexachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Heptachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Octachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Nonachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	
Decachlorobiphenyls, Total	78	U	78	3	11/ 9/09	11/24/09 16:07	100258	181276	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/24/09 16:07	D
4,4'-DDT	0	*	30-150	11/24/09 16:07	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-15-110509
Lab Code: R0906411-016

Service Request: R0906411
Date Collected: 11/ 5/09 0958
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 68.3

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Dichlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Trichlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Tetrachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Pentachlorobiphenyls, Total	800		290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Hexachlorobiphenyls, Total	470		290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Heptachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Octachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Nonachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/20/09 14:28	100258	180730	
Decachlorobiphenyls, Total	330		290	10	11/ 9/09	11/20/09 14:28	100258	180730	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/20/09 14:28	D	
4,4'-DDT	0	*	30-150	11/20/09 14:28	D	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-15-110509
Lab Code: R0906411-016
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 0958
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 68.3

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Dichlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Trichlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Tetrachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Pentachlorobiphenyls, Total	880		290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Hexachlorobiphenyls, Total	380		290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Heptachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Octachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Nonachlorobiphenyls, Total	290	U	290	10	11/ 9/09	11/23/09 16:36	100258	180967	
Decachlorobiphenyls, Total	300		290	10	11/ 9/09	11/23/09 16:36	100258	180967	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 16:36	D
4,4'-DDT	0	*	30-150	11/23/09 16:36	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-16-110509
Lab Code: R0906411-017

Service Request: R0906411
Date Collected: 11/ 5/09 1047
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 72.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Dichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Trichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Tetrachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Pentachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Hexachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Heptachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Octachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Nonachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/20/09 15:03	100258	180730	
Decachlorobiphenyls, Total	570		280	10	11/ 9/09	11/20/09 15:03	100258	180730	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/20/09 15:03	D
4,4'-DDT	0	*	30-150	11/20/09 15:03	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-16-110509
Lab Code: R0906411-017
Run Type: Dilution

Service Request: R0906411
Date Collected: 11/ 5/09 1047
Date Received: 11/ 7/09

Units: µg/Kg
Basis: Dry
Percent Solids: 72.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Dichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Trichlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Tetrachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Pentachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Hexachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Heptachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Octachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Nonachlorobiphenyls, Total	280	U	280	10	11/ 9/09	11/23/09 18:55	100258	180967	
Decachlorobiphenyls, Total	480		280	10	11/ 9/09	11/23/09 18:55	100258	180967	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 18:55	D
4,4'-DDT	0	*	30-150	11/23/09 18:55	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 74.3

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Dichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Trichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Tetrachlorobiphenyls, Total	44		27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Pentachlorobiphenyls, Total	99		27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Hexachlorobiphenyls, Total	110		27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Heptachlorobiphenyls, Total	120		27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Octachlorobiphenyls, Total	78		27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Nonachlorobiphenyls, Total	140		27	1	11/ 9/09	11/20/09 16:12	100258	180730	
Decachlorobiphenyls, Total	510		27	1	11/ 9/09	11/20/09 16:12	100258	180730	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/20/09 16:12	D	
4,4'-DDT	0	*	30-150	11/20/09 16:12	D	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-17-110509
Lab Code: R0906411-018
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1210
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 74.3

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Dichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Trichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Tetrachlorobiphenyls, Total	44		27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Pentachlorobiphenyls, Total	110		27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Hexachlorobiphenyls, Total	130		27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Heptachlorobiphenyls, Total	120		27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Octachlorobiphenyls, Total	66		27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Nonachlorobiphenyls, Total	130		27	1	11/ 9/09	11/23/09 18:20	100258	180967	
Decachlorobiphenyls, Total	450		27	1	11/ 9/09	11/23/09 18:20	100258	180967	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 18:20	D
4,4'-DDT	0	*	30-150	11/23/09 18:20	D

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 74.6

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Dichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Trichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Tetrachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Pentachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Hexachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Heptachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Octachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Nonachlorobiphenyls, Total	32		27	1	11/ 9/09	11/20/09 16:47	100258	180730	
Decachlorobiphenyls, Total	120		27	1	11/ 9/09	11/20/09 16:47	100258	180730	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/20/09 16:47	D
4,4'-DDT	0	*	30-150	11/20/09 16:47	D

Comments: .

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-18-110509
Lab Code: R0906411-019
Run Type: Reanalysis

Service Request: R0906411
Date Collected: 11/ 5/09 1308
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 74.6

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Dichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Trichlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Tetrachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Pentachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Hexachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Heptachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Octachlorobiphenyls, Total	27	U	27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Nonachlorobiphenyls, Total	33		27	1	11/ 9/09	11/23/09 17:11	100258	180967	
Decachlorobiphenyls, Total	110		27	1	11/ 9/09	11/23/09 17:11	100258	180967	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	11/23/09 17:11	D
4,4'-DDT	0	*	30-150	11/23/09 17:11	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-19-110509
Lab Code: R0906411-020

Service Request: R0906411
Date Collected: 11/ 5/09 1440
Date Received: 11/ 7/09

Units: µg/Kg
Basis: Dry
Percent Solids: 74.4

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Dichlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Trichlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Tetrachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Pentachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Hexachlorobiphenyls, Total	44	J	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Heptachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Octachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Nonachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 11:11	101720	181903	
Decachlorobiphenyls, Total	52	J	27	1	12/ 2/09	12/4/09 11:11	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 11:11	D
4,4'-DDT	0	*	30-150	12/4/09 11:11	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Saugnet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-20-110509
Lab Code: R0906411-021

Service Request: R0906411
Date Collected: 11/ 5/09 1510
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 76.5

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Dichlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Trichlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Tetrachlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Pentachlorobiphenyls, Total	38	J	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Hexachlorobiphenyls, Total	54	J	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Heptachlorobiphenyls, Total	42	J	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Octachlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Nonachlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 12:21	101720	181903	
Decachlorobiphenyls, Total	68	J	26	1	12/ 2/09	12/4/09 12:21	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 12:21	D
4,4'-DDT	0	*	30-150	12/4/09 12:21	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-21-110509
Lab Code: R0906411-022

Service Request: R0906411
Date Collected: 11/ 5/09 1540
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 76.4

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	110	U	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Dichlorobiphenyls, Total	110	U	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Trichlorobiphenyls, Total	110	U	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Tetrachlorobiphenyls, Total	110	U	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Pentachlorobiphenyls, Total	110	U	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Hexachlorobiphenyls, Total	160	J	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Heptachlorobiphenyls, Total	160	J	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Octachlorobiphenyls, Total	110	U	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Nonachlorobiphenyls, Total	200	J	110	4	12/ 2/09	12/4/09 13:31	101720	181903	
Decachlorobiphenyls, Total	840	J	110	4	12/ 2/09	12/4/09 13:31	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 13:31	D
4,4'-DDT	0	*	30-150	12/4/09 13:31	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-22-110509
Lab Code: R0906411-023

Service Request: R0906411
Date Collected: 11/ 5/09 1610
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 79.1

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Dichlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Trichlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Tetrachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Pentachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Hexachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Heptachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Octachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Nonachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	
Decachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 14:40	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 14:40	D
4,4'-DDT	0	*	30-150	12/4/09 14:40	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509
Lab Code: R0906411-024

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 79.5

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Dichlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Trichlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Tetrachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Pentachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Hexachlorobiphenyls, Total	26	J	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Heptachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Octachlorobiphenyls, Total	25	U	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Nonachlorobiphenyls, Total	55	J	25	1	12/ 2/09	12/4/09 15:50	101720	181903	
Decachlorobiphenyls, Total	230	J	25	1	12/ 2/09	12/4/09 15:50	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 15:50	D
4,4'-DDT	0	*	30-150	12/4/09 15:50	D

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 1-8-10

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Saugnet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-23-110509-D
Lab Code: R0906411-025

Service Request: R0906411
Date Collected: 11/ 5/09 1650
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 77.0

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Dichlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Trichlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Tetrachlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Pentachlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Hexachlorobiphenyls, Total	32	J	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Heptachlorobiphenyls, Total	36	J	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Octachlorobiphenyls, Total	26	U	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Nonachlorobiphenyls, Total	65	J	26	1	12/ 2/09	12/4/09 17:00	101720	181903	
Decachlorobiphenyls, Total	260	J	26	1	12/ 2/09	12/4/09 17:00	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 17:00	D
4,4'-DDT	0	*	30-150	12/4/09 17:00	D

2 J
 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Saugnet-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-24-110609
Lab Code: R0906411-026

Service Request: R0906411
Date Collected: 11/ 6/09 0845
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 74.0

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Dichlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Trichlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Tetrachlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Pentachlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Hexachlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Heptachlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Octachlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Nonachlorobiphenyls, Total	54	U	54	2	12/ 2/09	12/4/09 18:10	101720	181903	
Decachlorobiphenyls, Total	140	J	54	2	12/ 2/09	12/4/09 18:10	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 18:10	D
4,4'-DDT	0	*	30-150	12/4/09 18:10	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-25-110609
Lab Code: R0906411-027

Service Request: R0906411
Date Collected: 11/ 6/09 0909
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 75.3

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Dichlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Trichlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Tetrachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Pentachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Hexachlorobiphenyls, Total	36	J	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Heptachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Octachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Nonachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/4/09 19:19	101720	181903	
Decachlorobiphenyls, Total	77	J	27	1	12/ 2/09	12/4/09 19:19	101720	181903	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/4/09 19:19	D
4,4'-DDT	0	*	30-150	12/4/09 19:19	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-26-110609
Lab Code: R0906411-028

Service Request: R0906411
Date Collected: 11/ 6/09 0942
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 75.1

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Dichlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Trichlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Tetrachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Pentachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Hexachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Heptachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Octachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Nonachlorobiphenyls, Total	27	U	27	1	12/ 2/09	12/7/09 11:14	101720	182390	
Decachlorobiphenyls, Total	35	J	27	1	12/ 2/09	12/7/09 11:14	101720	182390	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/7/09 11:14	D
4,4'-DDT	0	*	30-150	12/7/09 11:14	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-27-110609
Lab Code: R0906411-029

Service Request: R0906411
Date Collected: 11/ 6/09 1010
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 76.2

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Dichlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Trichlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Tetrachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Pentachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Hexachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Heptachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Octachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Nonachlorobiphenyls, Total	62	J	52	2	12/ 2/09	12/7/09 12:23	101720	182390	
Decachlorobiphenyls, Total	190	J	52	2	12/ 2/09	12/7/09 12:23	101720	182390	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/7/09 12:23	D
4,4'-DDT	0	*	30-150	12/7/09 12:23	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-28-110609
Lab Code: R0906411-030

Service Request: R0906411
Date Collected: 11/ 6/09 1040
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 76.5

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Dichlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Trichlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Tetrachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Pentachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Hexachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Heptachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Octachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Nonachlorobiphenyls, Total	52	U	52	2	12/ 2/09	12/7/09 13:33	101720	182390	
Decachlorobiphenyls, Total	160	J	52	2	12/ 2/09	12/7/09 13:33	101720	182390	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/7/09 13:33	D
4,4'-DDT	0	*	30-150	12/7/09 13:33	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-29-110609
Lab Code: R0906411-031

Service Request: R0906411
Date Collected: 11/ 6/09 1117
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 72.1

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Dichlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Trichlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Tetrachlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Pentachlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Hexachlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Heptachlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Octachlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Nonachlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	
Decachlorobiphenyls, Total	140	U	140	5	12/ 2/09	12/7/09 17:02	101720	182390	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/7/09 17:02	D
4,4'-DDT	0	*	30-150	12/7/09 17:02	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-30-110609
Lab Code: R0906411-032

Service Request: R0906411
Date Collected: 11/ 6/09 1145
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 76.7

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Dichlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Trichlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Tetrachlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Pentachlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Hexachlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Heptachlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Octachlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Nonachlorobiphenyls, Total	100	U	100	4	12/ 2/09	12/7/09 18:12	101720	182390	
Decachlorobiphenyls, Total	120	J	100	4	12/ 2/09	12/7/09 18:12	101720	182390	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/7/09 18:12	D
4,4'-DDT	0	*	30-150	12/7/09 18:12	D

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 1-8-10

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-31-110609
Lab Code: R0906411-033

Service Request: R0906411
Date Collected: 11/ 6/09 1308
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 75.5

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	260	U	260	10	11/11/09	12/2/09 20:11	100368	181720	
Dichlorobiphenyls, Total	260	U	260	10	11/11/09	12/2/09 20:11	100368	181720	
Trichlorobiphenyls, Total	260	U	260	10	11/11/09	12/2/09 20:11	100368	181720	
Tetrachlorobiphenyls, Total	260	U	260	10	11/11/09	12/2/09 20:11	100368	181720	
Pentachlorobiphenyls, Total	600		260	10	11/11/09	12/2/09 20:11	100368	181720	
Hexachlorobiphenyls, Total	660		260	10	11/11/09	12/2/09 20:11	100368	181720	
Heptachlorobiphenyls, Total	420		260	10	11/11/09	12/2/09 20:11	100368	181720	
Octachlorobiphenyls, Total	260	U	260	10	11/11/09	12/2/09 20:11	100368	181720	
Nonachlorobiphenyls, Total	260	U	260	10	11/11/09	12/2/09 20:11	100368	181720	
Decachlorobiphenyls, Total	310		260	10	11/11/09	12/2/09 20:11	100368	181720	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/2/09 20:11	D
4,4'-DDT	0	*	30-150	12/2/09 20:11	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-32-110609
Lab Code: R0906411-034

Service Request: R0906411
Date Collected: 11/ 6/09 1335
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 79.7

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	130	U	130	5	11/11/09	12/3/09 15:55	100368	182096	
Dichlorobiphenyls, Total	130	U	130	5	11/11/09	12/3/09 15:55	100368	182096	
Trichlorobiphenyls, Total	130	U	130	5	11/11/09	12/3/09 15:55	100368	182096	
Tetrachlorobiphenyls, Total	130	U	130	5	11/11/09	12/3/09 15:55	100368	182096	
Pentachlorobiphenyls, Total	230		130	5	11/11/09	12/3/09 15:55	100368	182096	
Hexachlorobiphenyls, Total	340		130	5	11/11/09	12/3/09 15:55	100368	182096	
Heptachlorobiphenyls, Total	240		130	5	11/11/09	12/3/09 15:55	100368	182096	
Octachlorobiphenyls, Total	130	U	130	5	11/11/09	12/3/09 15:55	100368	182096	
Nonachlorobiphenyls, Total	130	U	130	5	11/11/09	12/3/09 15:55	100368	182096	
Decachlorobiphenyls, Total	200		130	5	11/11/09	12/3/09 15:55	100368	182096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/3/09 15:55	D
4,4'-DDT	0	*	30-150	12/3/09 15:55	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-33-110609
Lab Code: R0906411-035

Service Request: R0906411
Date Collected: 11/ 6/09 1415
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 74.1

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	54	U	54	2	11/11/09	12/3/09 17:04	100368	182096	
Dichlorobiphenyls, Total	54	U	54	2	11/11/09	12/3/09 17:04	100368	182096	
Trichlorobiphenyls, Total	54	U	54	2	11/11/09	12/3/09 17:04	100368	182096	
Tetrachlorobiphenyls, Total	54	U	54	2	11/11/09	12/3/09 17:04	100368	182096	
Pentachlorobiphenyls, Total	54	U	54	2	11/11/09	12/3/09 17:04	100368	182096	
Hexachlorobiphenyls, Total	54	U	54	2	11/11/09	12/3/09 17:04	100368	182096	
Heptachlorobiphenyls, Total	54	U	54	2	11/11/09	12/3/09 17:04	100368	182096	
Octachlorobiphenyls, Total	99		54	2	11/11/09	12/3/09 17:04	100368	182096	
Nonachlorobiphenyls, Total	59		54	2	11/11/09	12/3/09 17:04	100368	182096	
Decachlorobiphenyls, Total	110		54	2	11/11/09	12/3/09 17:04	100368	182096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/3/09 17:04	D
4,4'-DDT	0	*	30-150	12/3/09 17:04	D

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Weston Solutions, Incorporated
Project: Sauget-E. St. Louis Residential/20405.016.008.0828.00
Sample Matrix: Soil
Sample Name: SE-SS-34-110609
Lab Code: R0906411-036

Service Request: R0906411
Date Collected: 11/ 6/09 1455
Date Received: 11/ 7/09
Units: µg/Kg
Basis: Dry
Percent Solids: 74.7

Pesticides and PCBs in Water and Soil/Sediment by Gas Chromatography/Mass Spectrometry

Analytical Method: 680
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Monochlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Dichlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Trichlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Tetrachlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Pentachlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Hexachlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Heptachlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Octachlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Nonachlorobiphenyls, Total	27	U	27	1	11/11/09	12/3/09 18:14	100368	182096	
Decachlorobiphenyls, Total	64		27	1	11/11/09	12/3/09 18:14	100368	182096	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
gamma-BHC (Lindane)	0	*	30-150	12/3/09 18:14	D	
4,4'-DDT	0	*	30-150	12/3/09 18:14	D	

Comments:

